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The Army grant, number DAAL03-90-G-0233, has funded the procurement of an erasable optical disk drive and media for the archival of the data taken from the ECOM instrument which flew aboard the P78-1 STP satellite. The data which was previously stored in 1/4 inch magnetic tape format is currently being transferred to a random access optical disk format. Although this is a simple process, it is very important to the ultimate data analysis. With random access to the data and a much smaller volume of storage media, the data will now be accessible for long term studies of the extreme ultraviolet (EUV) and far ultraviolet (FUV) aurora and airglow. About 1100 orbits have been archived, and work is continuing on archiving the rest of the data with support from elsewhere.

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ARCHIVAL OF THE ECOM-721 DATA

FINAL REPORT

Dr. Supriya Chakrabarti

15 April 1992

U. S. ARMY RESEARCH OFFICE

Grant DAAL03-90-G-0233

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Final Report for Army Grant DAAL03-90-G-0233

Final Technical Report

The Army grant, number DAAL03-90-G-0233, has funded the procurement of an erasable optical disk drive and media for the archival of the data taken from the ECOM instrument which flew aboard the P78-1 STP satellite. The data which was previously stored in 1/4 inch magnetic tape format is currently being transferred to a random access optical disk format. Although this is a simple process, it is very important to the ultimate data analysis. With random access to the data and a much smaller volume of storage media, the data will now be accessible for long term studies of the extreme ultraviolet (EUV) and far ultraviolet (FUV) aurora and airglow. About 1100 orbits have been archived, and we are continuing to archive the rest of the data with support from elsewhere.

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